

Review of Chapter 1.1-1.5

1.1 Simplifying Expressions

PEMDAS

1.2 Properties of Real Numbers

Commutative, Associative, Identity, Inverse, Distributive

Number sets  $\mathbb{R}, \mathbb{Q}, \mathbb{I}, \mathbb{Z}, \mathbb{W}, \mathbb{N}$

Additive and Multiplicative inverses

$$5 \quad -5$$

$$\frac{1}{5}$$

1.3 More Properties

Reflexive, Symmetric, Transitive,  
Substitution, +, -, multiplication, division

Solving equations *for a variable*

Word Problems

1.4 Absolute value *2 cases*

Check

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$$ab + b = 4x$$

$$b(a+1) = 4x$$

$$b = \frac{4x}{a+1}$$

1.5 Solving Inequalities  
Remember Set-Builder  
and Interval notation

$$-3x > 9$$

$$x < -3$$

$$\{x \mid x < -3\}$$

$$(-\infty, -3)$$

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WS will be  
collected  
tomorrow

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